Datasheet

FP975
Electronic 7-Day Programmer

Application

The FP975 7-day full programmer offers all the control flexibility and user features of its counterpart, FP715, in the regular Mk18 range, but with two important differences:

1) This unit is intended specifically to replace, or upgrade systems with, Danfoss Randall Mk.9 time controls. They have British Gas Standard wallplates which are used by many other models, including the Danfoss Randall SET range, the Horstmann 425 Diadem and Tiara, and their 525 and 527 models.

2) This model has voltage-free output contacts, making it applicable to systems with low voltage control circuits, e.g. combination boilers or warm air.

The unit is supplied with a SET wallplate but, simply by re-positioning a small switch on the back, interchangeability is achieved with Mk.9 controls.

Replace models	With
922 & 972	FP975

The FP975 is supplied as a full 7-day control, but the installer can easily and quickly convert it to a weekday/weekend or 24 hour unit if preferred.

- British Gas Standard wallplate provides interchangeability with other popular time controls
- Total control flexibility
- Easy Programming
- Stylish, compact design
- Easy change to Weekday/Weekend control
- Easy GMT/BST time change
- Day programme copy facility
- AM/PM or 24 hour clock display
- Up to 3 Ons/Offs each day
- Built-in, ready-to-use programmes
- Battery back-up

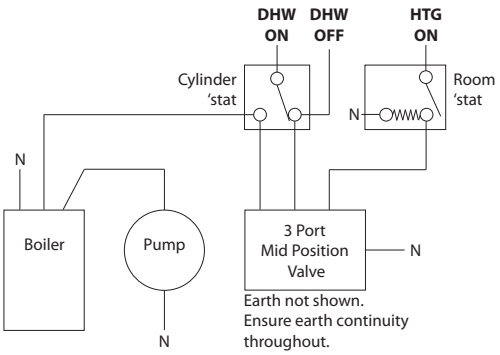
Systems

The FP975 will plug on to the wallplates of both Danfoss Randall Mk.9 and SET time controls.

When used on an existing correctly wired MK.9 wallplate, no wiring changes need to be made but the small switch on the back of the new unit should be re-positioned as shown overleaf.

For SET replacement, no such adjustment is necessary.

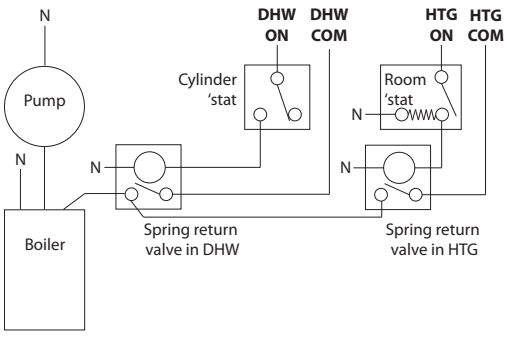
FP975 Heatshare System (mid-position valve)



Mains			DHW			HTG		
922 or 972			OFF	COM	ON	OFF	COM	ON
SET5			ON	COM	OFF	ON	COM	OFF
E	N	L	1	2	3	4	5	6

Links

FP975 Heatplan System (2x2 port valves)



Mains			DHW			HTG		
922 or 972			OFF	COM	ON	OFF	COM	ON
SET5			ON	COM	OFF	ON	COM	OFF
E	N	L	1	2	3	4	5	6

Links

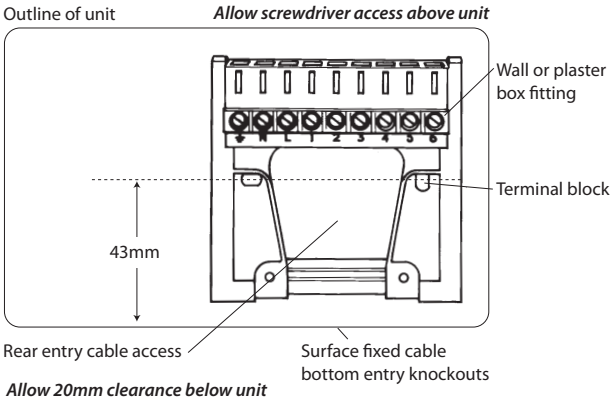
Datasheet FP975 Electronic 7-day Programmer

Specifications

Features	FP975 Full Programmer	
7-day, 5-day/2-day or 24 hour	•	
Water/Heating linkable for basic systems	•	
Output Channels	Independent HW and CH	
Programmes Selectable	On Off Auto Allday (per channel)	
Factory pre-set ON/Off times All changeable	Weekdays 6:30am ON 8:30am OFF 12:00pm ON 12:00pm OFF 5:00pm ON 10:30pm OFF	Saturday & Sunday 7:00am ON 10:00am OFF 12:00pm ON 12:00pm OFF 5:00pm ON 10:30pm OFF
Ons and Offs per day	Up to 3	
Advance Override	Per channel	
+1 Hour Override	Per channel	
Voltage Rating	220/240 Vac, 50 Hz	
Contact Rating	3 (1) A	
Switching Action	2 x SPDT Voltage Free	
Maximum Ambient Temperature	45°C	
Memory back-up	Lithium - minimum of 24 hours	
Dimensions	150 wide x 99 high x 42 deep	

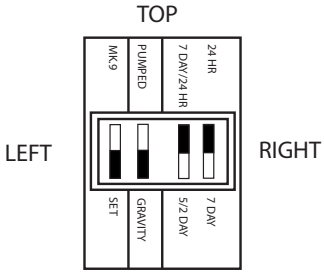
Wallplate and Conversion

The FP975 programmer is supplied ex-factory as a 7-day unit.
Simply by re-positioning small switches as shown, it can become a weekday/ weekend or 24 hour control. The same switch determines whether or not the FP975 is HW/CH linked for use with basic gravity heating systems.

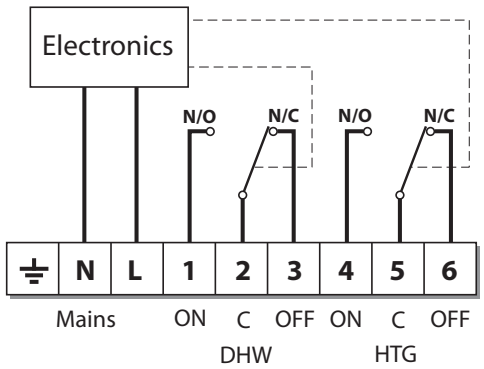


Setting Operating Mode

Four small switches on the rear of the case are used to set the operating mode.



Wiring



Please note:
Operating mode switch at factory setting,
ie. for new installation or for direct replacement of SET range.

Danfoss can accept no responsibility for possible errors in catalogues, brochures, and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary in specifications already agreed.
All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Danfoss Ltd.
Ampthill Road
Bedford MK42 9ER
Tel: 01234 364621
Fax: 01234 219705
Email: ukheating@danfoss.com
Website: www.heating.danfoss.co.uk